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# SEQUENCE LISTING

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<120> NS5B HCV Polymerase Inhibitors

<130> 018781-005810US

<140> US 09/828,270

<141> 2001-04-05

<150> US 60/194,912

<151> 2000-04-05

<160> 1

<170> PatentIn Ver. 2.1

<210> 1

<211> 591

<212> PRT

<213> Hepatitis C virus

<220>

<223> HCV NS5B RNA-dependent RNA polymerase (RdRp)  
(EC 2.7.7.48)

<400> 1

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Met | Ser | Tyr | Thr | Trp | Thr | Gly | Ala | Leu | Ile | Thr | Pro | Cys | Ala | Ala |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |
| Glu | Glu | Ser | Lys | Leu | Pro | Ile | Asn | Pro | Leu | Ser | Asn | Ser | Leu | Leu | Arg |
|     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |
| His | His | Ser | Met | Val | Tyr | Ser | Thr | Thr | Ser | Arg | Ser | Ala | Ser | Leu | Arg |
|     |     |     | 35  |     |     |     | 40  |     |     |     |     | 45  |     |     |     |
| Gln | Lys | Lys | Val | Thr | Phe | Asp | Arg | Leu | Gln | Val | Leu | Asp | Asp | His | Tyr |
|     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |
| Arg | Asp | Val | Leu | Lys | Glu | Met | Lys | Ala | Lys | Ala | Ser | Thr | Val | Lys | Ala |
|     | 65  |     |     |     | 70  |     |     |     | 75  |     |     |     |     | 80  |     |
| Arg | Leu | Leu | Ser | Ile | Glu | Glu | Ala | Cys | Lys | Leu | Thr | Pro | Pro | His | Ser |
|     |     |     | 85  |     |     |     |     | 90  |     |     |     |     |     | 95  |     |
| Ala | Lys | Ser | Lys | Phe | Gly | Tyr | Gly | Ala | Lys | Asp | Val | Arg | Ser | Leu | Ser |
|     |     |     | 100 |     |     |     |     | 105 |     |     |     |     | 110 |     |     |
| Ser | Arg | Ala | Val | Asn | His | Ile | Arg | Ser | Val | Trp | Glu | Asp | Leu | Leu | Glu |
|     |     |     | 115 |     |     |     | 120 |     |     |     |     | 125 |     |     |     |
| Asp | Thr | Glu | Thr | Pro | Ile | Asp | Thr | Thr | Ile | Met | Ala | Lys | Asn | Glu | Val |
|     | 130 |     |     |     |     | 135 |     |     |     |     | 140 |     |     |     |     |
| Phe | Cys | Val | Gln | Pro | Glu | Lys | Gly | Gly | Arg | Lys | Pro | Ala | Arg | Leu | Ile |
|     | 145 |     |     |     | 150 |     |     |     | 155 |     |     |     |     | 160 |     |
| Val | Phe | Pro | Asp | Leu | Gly | Val | Arg | Val | Cys | Glu | Lys | Met | Ala | Leu | Tyr |
|     |     |     | 165 |     |     |     |     | 170 |     |     |     |     |     | 175 |     |
| Asp | Val | Val | Ser | Thr | Leu | Pro | Gln | Ala | Val | Met | Gly | Pro | Ser | Tyr | Gly |
|     |     |     | 180 |     |     |     |     | 185 |     |     |     |     | 190 |     |     |
| Phe | Gln | Tyr | Ser | Pro | Gly | Gln | Arg | Val | Glu | Phe | Leu | Val | Asn | Thr | Trp |
|     | 195 |     |     |     |     | 200 |     |     |     |     |     | 205 |     |     |     |
| Lys | Ser | Lys | Lys | Cys | Pro | Met | Gly | Phe | Ser | Tyr | Asp | Thr | Arg | Cys | Phe |
|     | 210 |     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     |

Asp Ser Thr Val Thr Glu Asn Asp Ile Arg Thr Glu Glu Ser Ile Tyr  
 225 230 235 240  
 Gln Cys Cys Asp Leu Ala Pro Glu Ala Arg Gln Ala Ile Arg Ser Leu  
 245 250 255  
 Thr Glu Arg Leu Tyr Val Gly Gly Pro Leu Thr Asn Ser Lys Gly Gln  
 260 265 270  
 Asn Cys Gly Tyr Arg Arg Cys Arg Ala Ser Gly Val Leu Thr Thr Ser  
 275 280 285  
 Cys Gly Asn Thr Leu Thr Cys Tyr Leu Lys Ala Thr Ala Ala Cys Arg  
 290 295 300  
 Ala Ala Lys Leu Gln Asp Cys Thr Met Leu Val Asn Gly Asp Asp Leu  
 305 310 315 320  
 Val Val Ile Cys Glu Ser Ala Gly Thr Gln Glu Asp Ala Ala Ala Leu  
 325 330 335  
 Arg Ala Phe Thr Glu Ala Met Thr Arg Tyr Ser Ala Pro Pro Gly Asp  
 340 345 350  
 Pro Pro Gln Pro Glu Tyr Asp Leu Glu Leu Ile Thr Ser Cys Ser Ser  
 355 360 365  
 Asn Val Ser Val Ala His Asp Ala Ser Gly Lys Arg Val Tyr Tyr Leu  
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 Thr Arg Asp Pro Thr Thr Pro Leu Ala Arg Ala Ala Trp Glu Thr Val  
 385 390 395 400  
 Arg His Thr Pro Val Asn Ser Trp Leu Gly Asn Ile Ile Met Tyr Ala  
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 Pro Thr Leu Trp Ala Arg Met Ile Leu Met Thr His Phe Phe Ser Ile  
 420 425 430  
 Leu Leu Ala Gln Glu Gln Leu Glu Lys Ala Leu Asp Cys Gln Ile Tyr  
 435 440 445  
 Gly Ala Cys Tyr Ser Ile Glu Pro Leu Asp Leu Pro Gln Ile Ile Glu  
 450 455 460  
 Arg Leu His Gly Leu Ser Ala Phe Ser Leu His Ser Tyr Ser Pro Gly  
 465 470 475 480  
 Glu Ile Asn Arg Val Ala Ser Cys Leu Arg Lys Leu Gly Val Pro Pro  
 485 490 495  
 Leu Arg Val Trp Arg His Arg Ala Arg Ser Val Arg Ala Lys Leu Leu  
 500 505 510  
 Ser Gln Gly Gly Arg Ala Ala Thr Cys Gly Lys Tyr Leu Phe Asn Trp  
 515 520 525  
 Ala Val Lys Thr Lys Leu Lys Leu Thr Pro Ile Pro Ala Ala Ser Gln  
 530 535 540  
 Leu Asp Leu Ser Gly Trp Phe Val Ala Gly Tyr Asn Gly Gly Asp Ile  
 545 550 555 560  
 Tyr His Ser Leu Ser Arg Ala Arg Pro Arg Trp Phe Met Leu Cys Leu  
 565 570 575  
 Leu Leu Leu Ser Val Gly Val Gly Ile Tyr Leu Leu Pro Asn Arg  
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